

Tw = 20 ... 300 mm



- very short response time
- high repeatability
- sensing distance adjustable via Teach-in

general data

type	intensity difference
light source	pulsed red laser diode
sensing distance Tw	20 ... 300 mm
repeatability	< 0,2 mm at laser focus
alignment / soiled lens indicator	flashing light indicator
light indicator	LED yellow
power on indication	LED green
sensitivity adjustment	Teach-in
laser class	2
distance to laser focus	115 mm
wave length	650 nm

electrical data

response time / release time	< 0,15 ms
voltage supply range +Vs	10 ... 30 VDC
current consumption max.	35 mA
current consumption typ.	25 mA
voltage drop Vd	< 2,2 VDC
output function	light operate
output current	< 100 mA
short circuit protection	yes
reverse polarity protection	yes

mechanical data

width / diameter	14,8 mm
height / length	43 mm
depth	31 mm
type	rectangular
housing material	plastic (PA12)
front (optics)	PMMA
connection types	connector M8, 4 pin

ambient conditions

operating temperature	-10 ... +50 °C
protection class	IP 67

order reference output circuit

OZDK 14N1901/S35A	NPN
OZDK 14P1901/S35A	PNP

connection diagrams



connectors

ESG 32AH0200	4 pin	2 m straight
ESW 31AH0200	4 pin	2 m angular

additional cable connectors and field wireable connectors, see accessories

accessories

SENSOFIX mounting kit	149011
mounting bracket	134964

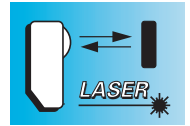
for details, see accessories section

laser warning

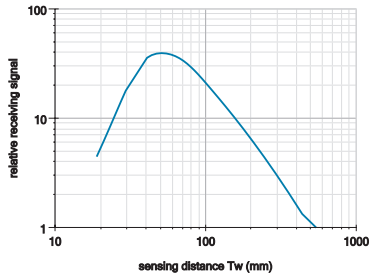


OZDK 14 Tw = 20 ... 300 mm

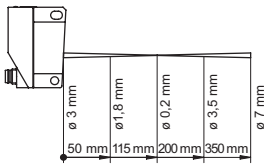
Diffuse sensors with intensity difference



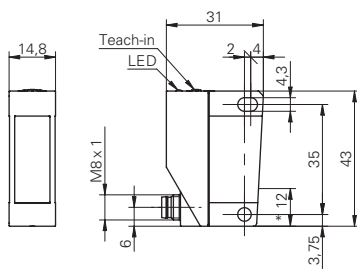
relative receiving signal



beam characteristic



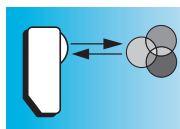
dimension drawing



* emitter axis

OZDK 14 Tw = 20 ... 300 mm

Diffuse sensors with intensity difference



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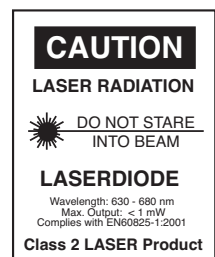
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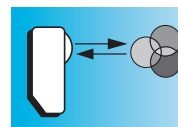
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laser warning

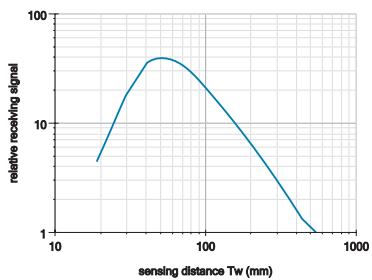


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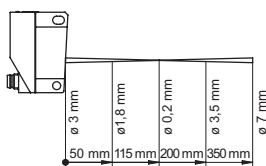
Diffuse laser sensors for contrast detection



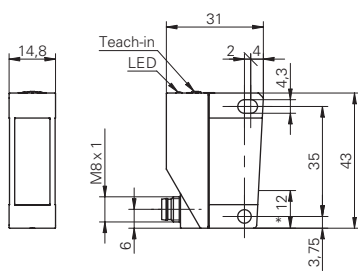
relative receiving signal



beam characteristic



dimension drawing



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